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Classes

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and wastewater  
industry will always  
be located near  
your home -  
no outsourcing.

Hands-on  
Experience



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The Bridging the Water Divide  
Project made possible by the  
National Science Foundation's  
ATE Grant Program.

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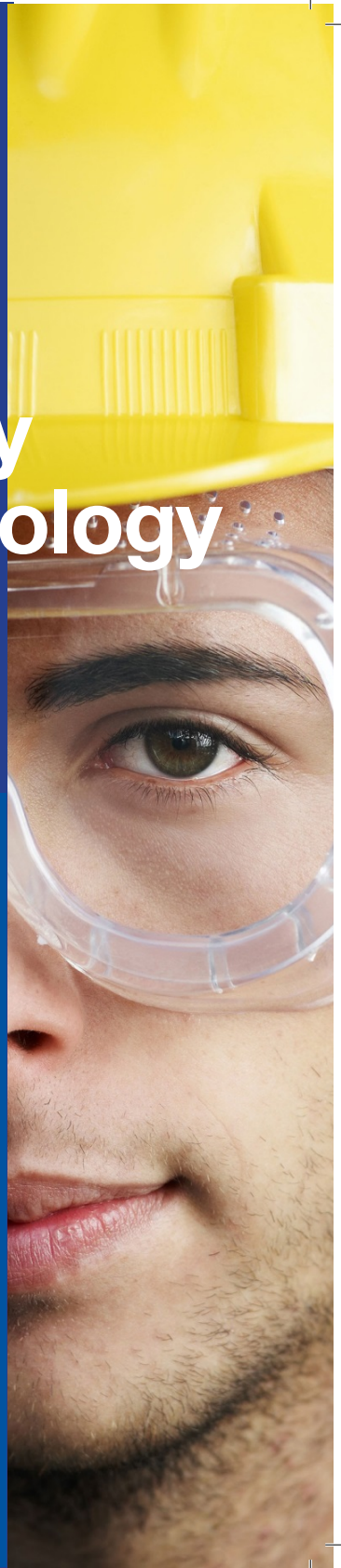
San Bernardino Valley College maintains a culture of continuous improvement and a commitment to provide high-quality education, innovative instruction, and services to a diverse community of learners. Its mission is to prepare students for transfer to four-year universities, to enter the workforce by earning applied degrees and certificates, to foster economic growth and global competitiveness through workforce development, and to improve quality of life in the Inland Empire and beyond.



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DEGREE &  
CERTIFICATION  
PROGRAMS

# Water Supply Technology



## CERTIFICATES & DEGREES

### Water Supply Technology Certificate

This certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the water supply technology field. [Note: the Water Supply Technology Certificate is not equivalent to the State License in Water Supply Distribution/Treatment or Wastewater Collection/Treatment]. Work Experience course, WST 098 is highly recommended for students not currently employed in the field.

### Water Technology Associate of Science Degree

Water Supply Technology program is designed to serve students who are employed or interested in employment in water/wastewater field. The program provides technical classes in water distribution, water treatment, wastewater collection, and wastewater treatment.

The courses prepare students to upgrade their skills and/or prepare for licensing examination and certification from the State of California, the American Water Works Association, and California Water Environment Association.

The certificate program is designed to prepare students for entry level jobs in water treatment, water distribution, and wastewater reclamation industries. The associate of science degree graduates often work in city, county, or state agencies in positions such as plant operator, engineering technician, surface water manager, environmental lab coordinator, and industrial pre-treatment coordinator.

To graduate with specialization in Water Technology, students must complete the required courses plus the general breadth requirements for the Associate of Science degree (total = 60 units).

## Program Overview

The Water Supply Technology program is designed to serve those individuals employed or interested in employment in the water and/ or wastewater fields and those who desire to upgrade their skills and/or receive certification from the California Department of Public Health, California Water Environment Association, the American Water Works Association, or the California Water Resource Control Board.

The program provides professional classes combined with hands-on experience. Coursework emphasizes fundamental aspects of drinking water distribution, drinking water treatment, wastewater collection, wastewater treatment, water conservation and related mathematics. Water Supply Technology program graduates often pursue jobs with city, county, state or federal agencies, or food and beverage industry in positions such as wastewater treatment plant operator, drinking water treatment plant operator, environmental laboratory technician, ultra-pure water technician, industrial pre-treatment inspector, engineering technician, surface water management, or environmental compliance analyst.

## Courses Offered

See our website for specific course requirements within each Certificate or Degree.

CIT 031	Business English
ENGL 015	Preparation for College Writing
WST 031	Water Use Efficiency Practitioner I
WST 032	Water Use Efficiency Practitioner II
WST 034	Introduction to Water Resource Management
WST 036	Water Utility Management
WST 045	Backflow Prevention Devices
WST 048	Cross-Connection Control
WST 061	Water Distribution I
WST 062	Water Distribution II
WST 063	Water Distribution III
WST 071	Water Treatment I
WST 072	Water Treatment II
WST 073	Water Treatment III
WST 075	Water/Wastewater Chemistry Analysis
WST 081	Wastewater Collection I
WST 082	Wastewater Collection II
WST 091	Wastewater Treatment I
WST 092	Wastewater Treatment II
WST 093	Wastewater Treatment III
WST 052	Basics Waterworks Math
WST 053	Wastewater Technology Math
WST 629	Introduction to Water Supply Technology
<i>One course from recommended list:</i>	
CIT 101	Introduction to Computer Literacy
CIT 102	Advanced Computer Literacy
WST 098	WST Work Experience
GIS 130	Introduction to Geographic Information Systems (GIS)

## Your Salary Potential

Certificate and Degree Median Annual Salaries, (<http://salarysurfer.cccco.edu/SalarySurfer.aspx>).

### WITH A DEGREE



### WITH A CERTIFICATE



## Test Review Courses Available

WST 601	Test Review for Water Distribution D1
WST 602	Test Review for Water Distribution D2
WST 603	Test Review for Water Distribution D3
WST 611	Test Review for Water Treatment T1
WST 612	Test Review for Water Treatment T2
WST 625	Test Review for Wastewater Treatment Plant Operations Grades One and Two
WST 626	Test Review for Wastewater Treatment Plant Operations Grades Three, Four, and Five

## Job Outlook

Starting salaries reach up to \$60,000 per year with benefits. Positions are available in public state facilities. Water and wastewater treatment plant and system operators typically do the following:

- Add chemicals, such as ammonia or chlorine, to disinfect water or other liquids
- Inspect equipment on a regular basis
- Monitor operating conditions, meters, and gauges
- Collect and test water and sewage samples
- Record meter and gauge readings and operational data
- Operate equipment to purify and clarify water or to process or dispose of sewage
- Clean and maintain equipment, tanks, filter beds, and other work areas
- Follow U.S. Environmental Protection Agency regulations
- Ensure safety standards are met

Graduates are employed to operate and maintain drinking and wastewater systems while monitoring overall water quality. Successful students in the program can attain certification in any of the following disciplines:

1. Water Treatment
2. Water Distribution
3. Wastewater Collection
4. Wastewater Treatment
5. Water Use Efficiency
6. Backflow and Cross Connection